

27

NOTES AND STATISTICS

ON

VACCINATION IN BURMA

FOR THE YEAR 1903-04.



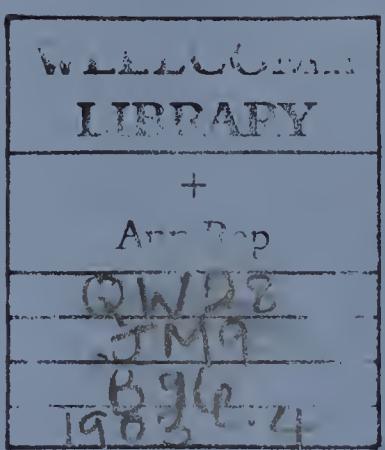
RANGOON:

OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA.

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TABLE OF CONTENTS.

NOTES AND STATISTICS ON VACCINATION IN BURMA FOR THE YEAR 1903-04.

								Para.	Page.
Establishment	...	...	...	...	...	...	...	I	I
General operations	...	...	...	...	...	...	...	2	<i>ib.</i>
Primary vaccination	...	...	...	...	...	...	...	3	<i>ib.</i>
Revaccination	...	...	...	...	...	...	...	4	<i>ib.</i>
Age and sex of those vaccinated	...	...	...	...	...	...	...	5	<i>ib.</i>
Infantile protection	...	...	...	...	...	...	...	6	<i>ib.</i>
Protection to population	...	...	...	...	...	...	...	7	2
Dispensary vaccination	...	...	...	...	...	...	...	8	<i>ib.</i>
Lymph supply	...	...	...	...	...	...	...	9	3
Expenditure	...	...	...	...	...	...	...	10	<i>ib.</i>
Number of primary vaccinations and successes in each of the years of the decade ending 1903-04.							II		<i>ib.</i>
Inspections	...	...	...	...	...	...	...	12	<i>ib.</i>

NOTES AND STATISTICS
ON
VACCINATION IN BURMA
FOR THE YEAR 1903-04.

1. *Establishment.*—The vaccination establishment employed throughout the Statement No. I. year consisted of 224 vaccinators as compared with 213 in the previous year.

The increase was in the districts of Amherst (2), Mergui (1), Bhamo (1), Katha (1), Lower Chindwin (3), Upper Chindwin (2), Pakôkku (3), Meiktila (1), and Myingyan (2). The staff was reduced in the Thôngwa (4) and Thatôn (1) districts.

The staff of Native Superintendents of Vaccination remained the same.

The establishment is badly educated, badly paid, and badly disciplined. The Director of Public Instruction is of opinion that men who have studied up to the 7th standard (Vernacular) in the local schools would take service in the Vaccine Department if the pay was better and a stipend offered to pupils learning the work. Unless the pay is improved the status of the Vaccinator is not likely to improve. It is, however, essential that the staff should be efficiently supervised, and is the one indispensable condition to the successful working of the Vaccination department. In most districts Civil Surgeons cannot find time or opportunity to make tours into the interior of their district off main lines of communication, and they require trustworthy assistants in order to secure adequate and efficient work as well as reliable returns. Hospital Assistants are not available for these posts, and such Native Superintendents as have been employed (12 districts out of 39 employ Superintendents) are of the vaccinator class.

2. *General Operations.*—The total number of operations performed in the pro- Statement No. I. vince during the year was 398,634, or an increase of 28,124 over last year's figures. This increase was pretty general in each division, save in Mandalay and the Chin Hills where there was a falling off in work of 2,281 and 487 respectively. This falling off occurred in every district of the Mandalay Division, except Katha and is generally attributed to an unhealthy year causing more sickness amongst children.

3. *Primary Vaccination.*—Of the total number of operations 375,798 were Statement No. I. primary, or an increase of 27,791 as compared with last year.

The ratio of success attained was 87.20 against 87.14 in 1902-1903.

4. *Revaccinations.*—The revaccinations performed numbered 22,836 with an Statement No. I. increase of 333 over the previous year's figures. The percentage of success was 54.97 against 46.83 in the year preceding.

5. *Age and sex.*—Of the total vaccinated, 207,861 were males and 190,773 Statement No. I. females. District returns show no apparent reason why the male population should have been protected in excess of females by over seventeen thousand.

Of the successful primary cases 78,266 were infants under one year of age, 178,929 children of between one and six, and 62,840 over and beyond six years.

Out of every 100 persons successfully vaccinated 24 were infants, 56 children under six, and 20 over six years and adults. The percentage of unknown cases to total vaccinated was 2.34.

6. *Infantile protestion.*—The percentage of infants successfully vaccinated, Appendix B. in the province as a whole, estimating the births at 40 per 1,000 of population, was 18.67 as compared with 18.77 in 1902-1903.

Of the 156,111 children under one year available for vaccination, a figure arrived at by deducting the deaths under one year of age from the total births, 12.1 per cent. are shown to have been successfully vaccinated.

In Municipalities where the Vaccination Act is in force, 86.93 per cent. were successfully protected.

The towns which return the highest percentage of protection are—Kyaukpyu (253.45); Myaungmya (161.21); Myingyan (119.27); Shwebo (117.53); Akyab (111.14); Pyinmana (109.62); Kyauksè (104.88); Toungoo (102.85); Tavoy (100.00); and Bassein (99.74).

The excess number of vaccinations over the number available in some towns is explained as being due to children of visitors from outlying places brought in for vaccination, and to unvaccinated infants who remained over from the previous year. Erroneous entry of age by the vaccinators is also a probable cause.

The towns showing the lowest percentage of infantile protection are—Salin (54.79); Thatôn (53.27); Yandoon (50.13); Letpadan (44.51); Kyaikto (33.14); Ma-ubin (21.37); and Yamèthin (11.61).

The attention of Civil Surgeons have been drawn to their responsibility in the worst protected Municipalities.

In the town of Rangoon 65 per cent. of the available children were protected. In this town there was an increase of 4,632 operations, or 54 per cent. over last year's work and over 100 per cent. on the work of 1901-1902. The rate of success was 98 per cent.

Appendices A and C.
7. *Protection to population.*—The total number of deaths registered from small-pox in Lower Burma during the year was 1,266, and the ratio of mortality 0.23 per 1,000 of the population against 1,565 and 0.28, respectively, in the previous year. The protection afforded by vaccination in these years was 31.47 and 29.94 per 1,000 respectively.

Taking the figures available for the province by five-year periods it will be seen by a reference to Appendix A that though the protection afforded by vaccination increased from 23.6 per 1,000 in 1888-1893 to 44.9 and 49.4, respectively, in the two following quinquenniums yet the death rate from small-pox was also progressive, rising from 0.51 per 1,000 in 1888-1893 and 0.44 in 1893-1898 to 0.76 in the period 1898-1903.

It must be remembered, however, that there is a strong prejudice in favour of inoculation in the districts generally, and since personal infection is the governing factor in the spread of the disease, small-pox must always be more or less prevalent, so long as inoculation continues and epidemic exacerbations will occur periodically according to the epidemic constitution of the year. For, though small-pox may be introduced into a susceptible population, yet it will not apparently give rise to a general epidemic unless the prevailing climatic conditions are favourable to its spread. What these conditions are we do not know, but the fact remains that at certain irregular intervals small-pox, as judged by its wider spread, is more infectious than it is in other years with equal opportunities for its dissemination. Though communication by rail and road have improved in recent years yet, notwithstanding this increased opportunity for personal intercourse, these epidemic out-breaks have declined in frequency, a fact which may fairly be attributed to the inhibitory effects of Vaccination.

Province.	DEATH RATE PER 1,000 FROM SMALL-POX.	
	Average of five years.	1902.
Bengal ...	0.28	0.77
Punjab ...	0.36	0.58
United Provinces.	0.40	0.10
North West Provinces.	0.78	0.54
Madras ...	0.7	0.7
Bombay ...	0.24	0.12
Assam ...	0.62	1.26
Burma ...	0.76	0.07
Burma, 1903 ...	...	0.23

See Table A. IV
The mortality from small-pox in Burma though higher than it should be does not however compare so unfavourably with the figures for other Indian Provinces as shown in the margin.

Statement No. III.

8. *Dispensary Vaccination.*—As compared with the previous year there was an increase of 2,667 in the number of vaccinations performed at dispensaries. Primary vaccinations increased by 2,302 and re-vaccinations by 365.

The total number of children under one year successfully vaccinated was 476 more than in the previous year.

9. *Lymph supply.*—The Meiktila Vaccine Depôt was in charge of Major J. Penny, I.M.S., up to 8th March 1903 when he was relieved by Lieutenant D. J. F. O'Donoghue, R.A.M.C., who was in charge till 2nd April 1903 and for the remainder of the year Major T. W. Stewart, I.M.S., was the Superintendent.

The total number of calves vaccinated was 557 of which 456 were successful as compared with 386 and 342 respectively in the previous year.

From these calves 68.73 ounces of pure lymph pulp was obtained which after admixture with lanoline was sufficient to vaccinate 492,476 cases.

The general results obtained were 87.20 per cent. of success in primary and Statement No. I. 54.97 in re-vaccination.

The Superintendent draws attention to the want of uniformity in the results returned by different districts, as for instance paste No. 304 was distributed to 7 stations, of these 5 reported over 90 per cent. of success, 2 over 80, one over 70 and in one station total failure was reported. Paste No. 152 was distributed to 14 stations, of these 8 returned over 90 per cent., 2 over 80, 2 over 70, one 23.63 and one 19.23. Varying results from the same district not infrequently occur in the hands of different vaccinators. This, the Superintendent believes, to be due to vaccinators in some instances not taking sufficient care of the paste to guard it against exposure to sun heat and failing to thoroughly rub the material into the abrasions on children's arms.

During the months of March and April the results were not very satisfactory owing, it is suggested, to deterioration of the vaccine organism from high atmospheric temperature. This is being investigated with a view to improving the manufacture.

The total cost of the establishment comes to Rs. 8,475.15.1 as compared Statement No. II. with Rs. 8,374.1.11 in the previous year and the average cost of production of lymph per case was 3 pies.

10. *Expenditure.*—The total cost of the provincial vaccine department for Statement No. II. 1903-1904 amounted to Rs. 94,331.2.0 as compared with Rs. 85,828.11.2 in the preceding year. The extra expenditure was due partly to the larger staff employed.

The cost of each successful case was 4 annas 7 pies against 4 annas 5 pies in the previous year.

The average cost of each successful case varied from Rs. 1.1.7 in Hanthawaddy; 14 annas 4 pies in Thaton; 11 annas 8 pies in Chin Hills and 11 annas 1 pie in Rangoon to 2 annas 1 pie in Henzada; 2 annas 2 pies in Tavoy; 2 annas 4 pies in Myaungmya and 2 annas 6 pies in Upper Chindwin district.

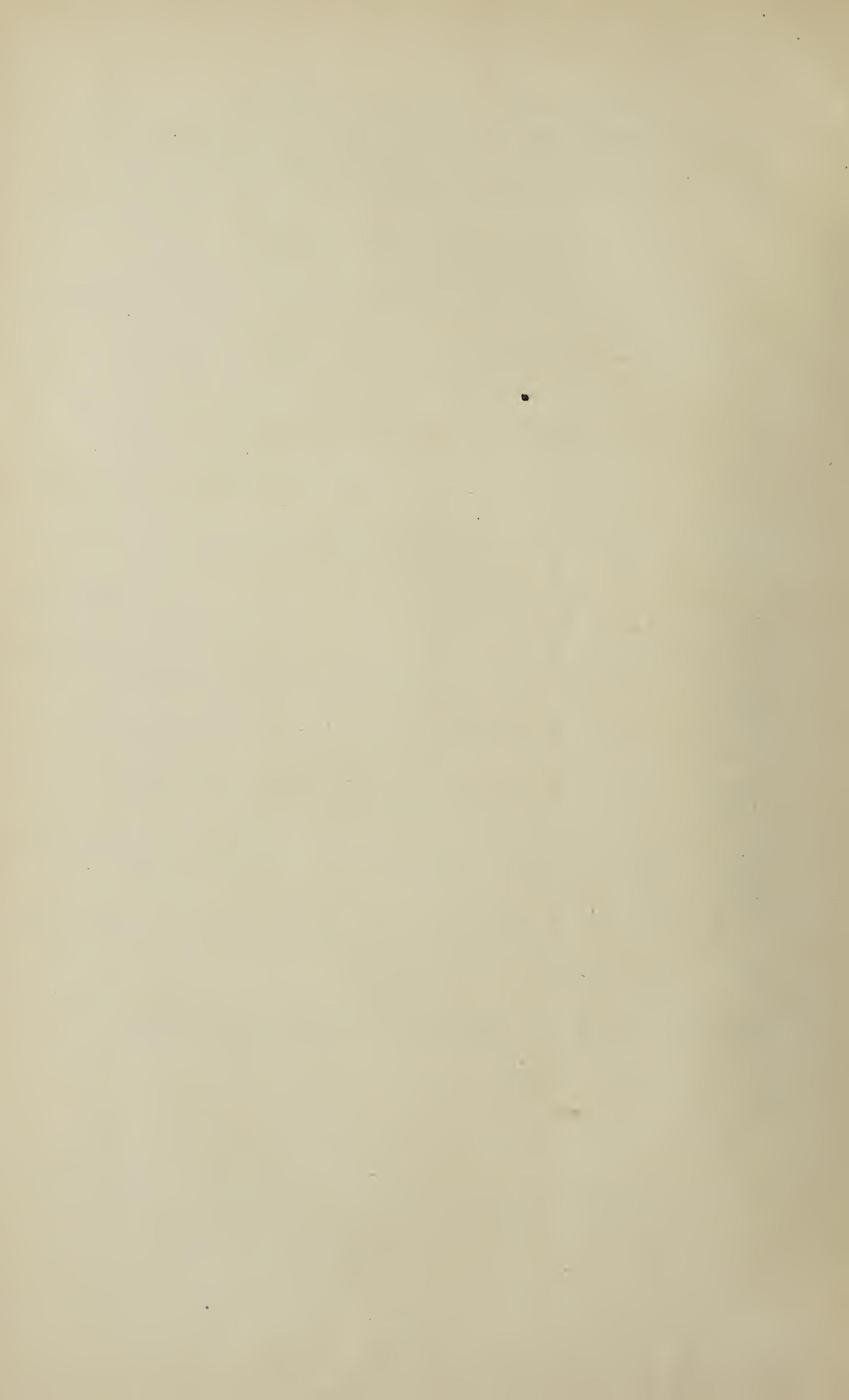
11. This statement compares the primary vaccinations and the success obtained in each of ten years ending 1903-04 by Government, Municipal and Local Funds as well as in Native States, Dispensaries and in Cantonments. This statement calls for no remarks.

12. Of the number vaccinated 39 per cent. were inspected against 37 in Statement No. V. 1902-03.

The inspections of Native Superintendents show an increase but are still lower than they should be.

RANGOON : }
The 26th May 1904. }

C. C. LITTLE, COL., M.D., I.M.S.,
Superintendent-General of Vaccination, Burma.



APPENDICES.

	<i>Page.</i>
Statement No. I.—Showing particulars of vaccination in the Province of Burma for the year 1903-04	6
Statement No. II.—Showing the cost of the department in the Province of Burma for the year 1903-04 	8
Statement No. III.—Showing dispensary vaccination in the Province of Burma for the year 1903-04 	10
Statement No. IV.—Showing the number of persons primarily vaccinated and the number of those persons who were successfully vaccinated in the Province of Burma in each of the undermentioned official years 1894-95 to 1903-04 	12
Statement No. V.—Showing particulars of vaccination verified by Inspecting officers 	<i>ib.</i>
Appendix A.—Showing the rates per 10,000 successfully vaccinated and the mortality from small-pox by quinquennial periods for Lower Burma only 	14
Appendix B.—Statistics relating to the number of children under one year of age in towns available for vaccination and the number of successful operations performed on them 	<i>ib.</i>
Appendix C.—Diagram showing the proportion of population protected during the seven official years 1897-98 to 1903-04, and the death rate from small-pox during the calendar year 1903 in districts where registration is in force 	15

A.—VACCINATION

STATEMENT No. I.—*Showing particulars of Vaccination in the*

No.	Circles and districts.	Popula- tion of district according to census of 1901.	Average popula- tion per square mile.	Average number of vacci- nators employ- ed through- out the year.	Total number of persons vaccinated.	Average number of per- sons vacci- nated by each vacci- nator.	PRIMARY VACCINATION.						
							Total.	Under one year.	One and under six years.	Total of all ages.	Un- known.		
1	2	3	4	5	6	7	8	9	10	11	12		
ARAKAN DIVISION.													
1	Akyab	481,666	94	6	4,953	4,084	9,037	1,506	8,772	1,361	4,014	6,567	15
2	Hill Traets, Northern Arakan.	20,632	4	1	910	371	1,281	1,281	1,281	8	239	1,228	...
3	Kyaukpyu	168,827	33	6	4,268	3,964	8,232	1,372	7,953	1,709	3,893	6,963	...
4	Sandoway	90,927	24	3	1,272	880	2,152	717	2,152	245	823	1,735	83
	Total	762,102	41	16	11,403	9,299	20,702	1,294	20,158	3,323	8,969	16,493	98
PEGU DIVISION.													
5	Hanthawaddy	424,811	160	6	2,404	2,448	4,852	809	4,458	337	1,833	2,714	233
6	Rangoon	234,881	12,362	5	10,416	2,933	13,349	2,670	4,879	2,029	636	2,680	2,046
7	Pegu	33,572	79	8	5,750	5,773	11,523	1,440	11,367	1,850	6,289	10,023	396
8	Tharrawaddy	35,570	139	8	7,180	7,411	14,541	1,818	14,454	2,306	8,037	11,401	303
9	Prome	365,804	125	11	9,962	9,337	19,299	1,754	18,693	3,446	10,423	17,264	278
	Total	1,820,638	139	38	35,662	27,902	63,564	1,673	53,851	10,058	27,223	44,082	3,261
IRRAWADDY DIVISION.													
10	Thonwya	434,410	139	8	3,503	3,226	6,729	841	6,624	1,663	3,556	6,062	78
11	Bassein	391,427	95	9	9,632	8,443	18,105	2,012	17,256	2,854	10,519	16,157	300
12	Henzada	484,558	169	15	21,305	21,317	42,622	2,842	42,278	6,311	23,431	39,564	530
13	Myaungmya	33,274	102	6	7,393	6,577	13,970	2,328	13,087	3,882	5,850	12,219	263
	Total	1,668,669	124	38	41,863	39,563	81,426	2,143	79,245	14,710	43,356	74,002	1,176
TENASSERIM DIVISION.													
14	Amherst	300,173	43	8	9,286	6,883	16,169	2,021	15,533	3,035	5,757	14,253	49
15	Tavoy	109,979	21	5	8,557	7,727	16,24	3,257	13,186	2,261	6,082	12,631	...
16	Mergui	88,744	9	4	2,740	2,657	5,406	1,352	5,366	738	1,724	4,838	137
17	Tonngoo	279,315	45	7	5,081	4,233	9,331	1,333	8,789	5,604	2,239	8,454	8
18	Thaton	343,510	68	6	2,450	2,383	4,883	806	4,833	921	1,753	3,121	...
19	Salween	37,837	14	1	580	441	1,020	1,020	1,020	9	206	583	...
	Total	1,159,558	32	31	23,703	21,343	53,046	1,711	48,727	12,568	17,811	43,432	194
MANDALAY DIVISION.													
20	Mandalay	366,507	173	8	6,823	6,868	13,600	1,711	12,303	5,540	3,562	9,760	678
21	Bhamo	79,515	19	3	1,636	1,317	3,003	1,001	2,682	1,183	905	2,135	182
22	Katha	176,223	25	2	1,516	1,393	2,699	1,350	2,692	249	1,407	2,314	62
23	Ruby Mines	87,694	16	2	1,431	1,242	2,723	1,362	2,597	1,096	876	2,391	...
24	Myitkyioa	67,399	6	1	541	454	995	965	965	90	339	747	...
	Total	777,333	26	16	11,846	11,264	23,110	1,444	21,239	8,158	7,139	17,347	922
SAGAING DIVISION.													
25	Shwebo	236,891	51	8	7,573	7,795	15,368	1,921	15,241	8,053	7,102	11,787	431
26	Sagaing	282,678	152	4	4,961	5,063	10,024	2,506	9,959	3,808	4,202	8,008	32
27	Lower Chindwin	276,383	79	6	6,120	6,718	12,834	2,140	12,717	1,895	6,223	9,326	105
28	Upper Chindwin	154,551	18	6	5,763	6,035	11,803	1,967	11,803	1,488	6,152	10,410	28
	Total	1,000,483	33	24	24,422	25,611	50,033	2,085	49,820	10,239	23,679	39,531	596
MINBU DIVISION.													
29	Thayetmyo	239,706	50	7	9,227	8,883	17,610	2,516	15,833	1,892	8,285	14,064	1,151
30	Pakokku	356,439	57	6	4,614	4,194	8,808	1,468	8,402	1,744	5,267	7,506	241
31	Minbu	233,377	71	6	4,495	4,395	8,890	1,432	8,439	1,239	2,955	5,303	238
32	Magwe	246,708	85	6	5,447	5,447	10,896	1,816	10,851	2,664	6,868	10,134	...
	Total	1,076,280	63	25	23,783	22,421	46,204	1,843	43,575	7,539	23,375	37,007	1,630
MEIKTILA DIVISION.													
33	Meiktila	252,305	116	5	5,216	5,423	10,644	2,129	10,636	865	7,308	9,127	81
34	Yanethin	243,197	57	7	6,104	6,068	12,172	1,739	11,354	3,986	4,580	10,407	250
35	Kyaukse	141,258	111	3	2,853	3,069	5,922	1,974	5,874	2,399	1,912	4,3	263
36	Myingyan	356,052	114	7	5,324	7,455	14,839	2,121	14,347	2,452	6,114	10,443	56
	Total	992,807	91	22	21,557	22,020	43,577	1,981	42,211	9,702	19,		

DEPARTMENT.

Province of Burma during the year 1903-04 (paras. 1, to 5 and 7).

RE-VACCINATION.			PERCENTAGE OF SUCCESSFUL CASES IN WHICH THE RESULTS WERE KNOWN.		PERSONS SUCCESSFULLY VACCINATED PER 1,000 OF POPULATION.	PERCENTAGE OF UNKNOWN CASES TO TOTAL CASES.		AVERAGE ANNUAL NUMBER OF PERSONS SUCCESSFULLY VACCINATED DURING PREVIOUS FIVE YEARS.		AVERAGE ANNUAL NUMBER OF DEATHS FROM SMALL-POX DURING PREVIOUS FIVE YEARS.	
Total.	Successful.	Unknown.	Primary.	Re-vaccination.		Primary.	Re-vaccination.	No.	Ratio per 1,000.	No.	Ratio per 1,000.
13	14	15	16	17	18	19	20	21	22	23	24
265	122	...	74.99	46.04	13.89	1.17	...	7,827	17.69	10	.02
...	...	...	95.86	...	59.38	...	...	1,084	63.59	...	...
279	252	...	87.55	90.32	42.74	...	...	8,942	53.92	92	.58
...	...	...	83.86	...	19.08	3.86	...	8,734	104.69	20	.24
544	374	...	82.22	63.75	22.13	1.49	...	26,587	37.51	122	.18
394	116	24	64.31	31.35	5.84	5.34	6.09	10,788	24.80	357	.83
8,470	2,812	4,507	94.60	70.96	23.38	41.93	53.21	5,443	27.35	289	1.43
156	144	8	91.30	98.63	29.94	3.48	5.18	11,007	39.48	343	1.23
87	27	41	80.57	58.70	28.89	2.09	47.18	14,933	41.28	475	1.31
66	226	...	93.75	37.29	47.81	1.49	...	28,549	64.06	92	.25
9,713	3,325	4,580	87.14	64.78	26.04	6.06	47.15	65,725	40.02	1,556	.95
105	74	...	92.60	70.48	12.67	1.18	...	14,735	37.41	432	1.10
849	163	23	95.29	19.73	41.69	1.74	2.71	15,810	45.52	166	.43
344	208	...	94.77	60.47	82.08	1.25	...	37,713	82.62	171	.37
883	423	77	95.32	52.43	41.69	2.05	8.72	8,124	32.76	240	.97
2,181	868	100	94.79	41.71	45.00	1.48	4.59	76,382	52.81	1,009	.70
636	219	17	92.05	35.38	48.21	1.32	2.67	17,211	66.15	174	.69
3,098	1,124	...	95.78	36.28	125.6	...	...	15,129	149.87	182	1.80
40	5	...	83.82	12.50	49.45	2.55	...	4,739	59.43	119	1.63
545	279	...	96.28	51.19	31.27	.09	...	10,659	44.76	115	.53
...	...	...	64.74	...	9.11	...	...	12,723	42.84	228	.79
...	...	...	57.16	...	15.41	...	...	795	23.40	...	...
4,319	1,627	17	89.49	37.82	38.86	1.40	1.39	61,286	60.64	818	.81
1,387	672	41	83.96	49.93	28.46	5.51	2.96	15,993	43.06	47	.13
321	171	18	85.40	56.43	29.00	6.79	5.61	2,760	48.45	...	...
7	1	2	87.98	20.00	13.14	2.30	28.57	1,986	12.87	...	...
126	60	...	92.07	47.62	27.95	...	...	3,413	61.85	...	...
30	25	...	77.41	83.33	11.45	...	...	863	14.99	...	...
1,871	929	61	85.38	51.33	23.51	4.34	3.26	25,015	35.96	47	...
27	12	...	79.05	44.44	41.13	2.81	...	16,498	65.11	14	.06
65	19	...	80.67	29.23	28.40	1.32	...	8,754	33.55	45	.17
121	61	...	73.95	50.41	33.96	.88	...	8,552	34.13	141	.69
...	...	...	88.41	...	67.36	1.24	...	6,949	54.00	...	...
213	92	..	80.31	43.19	39.60	1.20	...	40,743	45.60	200	...
1,777	1,397	5	95.79	78.84	64.50	7.27	.28	20,294	82.50	81	.36
406	96	100	91.97	31.37	21.32	2.87	24.63	5,851	17.72	362	1.34
401	193	65	64.27	57.44	23.53	2.80	16.21	7,171	32.27	228	1.24
45	20	...	93.39	44.44	41.16	...	...	8,040	34.93	244	1.05
2,629	1,706	170	88.23	69.38	35.97	3.74	6.47	41,356	40.21	915	...
8	3	1	86.47	42.86	36.19	.76	12.50	4,773	20.64	33	.19
818	449	212	93.72	74.09	44.64	2.20	23.92	8,549	38.64	93	.48
48	21	1	76.83	44.63	30.67	4.48	2.08	6,229	47.02	2	.01
492	333	...	73.07	67.63	30.27	.39	...	10,397	29.41	202	.55
1,366	806	214	82.50	69.97	35.85	1.54	15.67	29,948	31.91	330	...
...	...	...	84.42	...	22.53	1.73	...	...	...	...	...
...	...	...	83.51	...	7.45	1.06	...	...	...	...	...
...	...	...	84.00	...	11.71	1.42	...	7,792	11.43	...	...
...	...	...	63.10	...	6.16	4.60	...	...	...	...	...
22,836	9,727	5,142	87.20	54.97	31.47	2.34	22.52	374,834	41.29	...	...

Chin Hills have been excluded.

A.—VACCINATION

STATEMENT NO. II.—*Showing the cost of the Department in the*

No.	Circle and districts.	EXPENDITURE.											
		European super- vising officer.	Pay.	Native supervi- ng officer.	Pay.	Vaccinators.	Pay.	Clerks.	Pay.	Peons, &c.	Pay.	Total pay of establish- ment.	
1	2	3	4	5	6	7	8	9	10	11	12	13	
ARAKAN DIVISION.													
1	Akyab	...	...	Rs. A. P.	2	900 0 0	6	1,887 13 9	...	...	...	2,787 13 9
2	Hill Tracts Northern Arakan	...	...		...	...	1	360 0 0	...	...	...	360 0 0
3	Kyaukpyu	...	...		...	...	6	1,380 0 0	...	...	...	1,380 0 0
4	Sàndoway	...	...		...	...	3	855 0 0	...	...	...	855 0 0
	Total	...	...		2	900 0 0	16	4,482 13 9	...	...	...	5,382 13 9
PEGU DIVISION.													
5	Rangoon	...	...	Rs. A. P.	...	...	6	1,670 9 1	...	...	...	2,100 3 11
6	Hanthawaddy	...	...		1	600 0 0	5	1,513 14 5	...	...	...	2,113 14 5
7	Pegu	...	...		...	...	8	2,100 3 4	...	...	...	2,100 3 4
8	Tharrawaddy	...	...		1	539 10 10	8	1,660 5 2	...	...	...	2,200 0 0
9	Frome	...	...		...	...	11	2,816 13 8	...	...	...	2,816 13 8
	Total		2	1,139 10 10	38	9,761 13 8	3	429 10 10	11,331 3 4
IRRAWADDY DIVISION.													
10	Thòngwa	...	...	Rs. A. P.	...	...	8	1,952 13 3	...	...	...	1,952 13 3
11	Bassein	...	...		2	692 15 11	9	2,318 3 0	...	...	...	3,011 2 11
12	Henzada	...	...		...	...	15	4,050 14 11	...	...	...	4,050 14 11
13	Myaungmya	...	...		...	...	6	1,496 9 9	...	...	...	1,496 9 9
	Total	...	...		2	692 15 11	33	9,818 8 11	...	...	...	10,511 8 10
TENASSERIM DIVISION.													
14	Amherst	...	...	Rs. A. P.	2	1,194 0 0	8	1,954 3 4	1	120 0 0	...	3,268 3 4
15	Tavoy	...	...		...	...	5	1,437 12 0	...	...	...	1,437 12 0
16	Mergui	...	...		...	...	4	94 1 8	...	...	...	904 1 8
17	Thatòn	...	...		1	48 0 0	6	1,638 9 3	...	...	...	2,173 9 3
18	Toungoo	...	...		1	480 0 0	7	1,578 0 0	...	...	...	2,058 0 0
19	Salween	...	...		...	...	1	300 0 0	...	...	...	300 0 0
	Total	...	...		4	2,154 0 0	31	7,867 10 3	1	120 0 0	...	10,141 10 3
MANDALAY DIVISION.													
20	Mandalay	...	...	Rs. A. P.	1	596 0 0	8	2,309 14 3	...	...	...	2,905 14 3
21	Bhamo	...	...		...	...	3	702 8 11	...	...	...	702 8 11
22	Katha	...	...		...	...	2	366 14 5	...	...	...	366 14 5
23	Ruby Mines	...	...		...	...	2	1,30 0 0	...	...	...	1,030 0 0
24	Myitkyina	...	...		...	...	1	360 0 0	...	...	...	360 0 0
	Total	...	...		1	596 0 0	16	4,769 5 7	...	...	...	5,365 5 7
SAGAING DIVISION.													
25	Shwebo	...	...	Rs. A. P.	...	...	8	1,610 5 9	...	...	...	1,610 5 9
26	Sagaing	...	...		...	...	4	885 0 0	...	...	...	885 0 0
27	Lower Chindwin	...	...		...	...	6	1,380 7 3	...	...	...	1,380 7 3
28	Upper Chindwin	...	...		...	...	6	1,184 15 0	...	...	...	1,184 15 0
	Total	...	...		...	...	24	5,060 12 0	...	...	...	5,060 12 0
MINBU DIVISION.													
29	Thayetmyo	...	...	Rs. A. P.	...	...	7	2,068 9 10	...	...	...	2,068 9 10
30	Pakòkku	...	...		...	...	6	980 14 8	...	...	...	980 14 8
31	Minbu	...	...		...	...	6	1,540 2 4	...	...	...	1,540 2 4
32	Magwe	...	...		1	90 0 0	6	1,261 0 0	...	...	...	1,351 0 0
	Total	...	...		1	90 0 0	25	5,850 10 10	...	...	...	5,940 10 10
MEIKTILA DIVISION.													
33	Meiktila Vaccine Depôt	...	1	40 6 11	1	525 0 0	...	...	1	715 2 9	8	923 2 9
34	Meiktila	...	...	...	...	...	5	1,140 2 8	...	...	...	1,146 2 8
35	Yamèthin	...	...	...	1	60 0 0	7	1,707 0 0	...	...	...	1,767 0 0
36	Kyauksè	...	...	...	...	...	3	765 7 5	...	...	...	765 7 5
37	Myingyan	...	...	...	...	...	7	1,305 10 10	...	...	...	1,305 10 10
	Total	...	1	40 6 11	2	585 0 0	22	4,924 4 11	1	715 2 9	8	923 2 9	7,188 1 4
SHAN STATES.													
38	Northern Shan States	...	...	Rs. A. P.	1	380 0 0	8	1,309 8 0	...	...	...	1,689 8 0
39	Southern Shan States	...	...		...	...	5	1,063 11 4	...	...	...	1,053 11 4
	Total	...	...		1	380 0 0	13	2,363 3 4	...	...	...	2,743 3 4
CHIN HILLS.													
40	Chin Hills	...	...	Rs. A. P.	...	...	1	300 0 0	...	...	...	300 0 0
	Total	...	...		1	300 0 0	...	...	...	...	...	300 0 0
GRAND TOTAL for the Province.		1	40 6 11	15	6,537 10 9	224	55,199 3 3	2	835 2 9	11	1,352 13 7	63,965 5 3	

DEPARTMENT.

Province of Burma during the year 1903-04 (paras. 9 & 10).

Travelling allowance	Contingencies.	Total.	PAID FROM					Total.	Number of all successful vaccinations and revaccinations.	Average cost of each successful case.	
			Imperial funds.	Provincial funds.	Local funds.	Municipalities.	Native States.				
14	15	16	17	18	19	20	21	22	23	24	
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
524 12 6	136 5 3	3,448 15 6	.....	437 8 3	2,613 3 3	398 4 0	.....	3,448 15 6	6,689	0 8 3
67 11 0	.....	427 11 0	.....	427 11 0	.....	.....	.....	427 11 0	1,228	0 5 7
503 6 0	.....	1,883 6 0	.....	.....	1,883 6 0	.....	.....	1,883 6 0	7,215	0 4 2
272 6 5	.....	1,127 6 5	.....	.....	1,027 6 5	100 0 0	.....	1,127 6 5	1,735	0 10 5
1,363 3 11	136 5 3	6,887 6 11	.....	865 3 3	5,523 15 8	498 4 0	.....	6,887 6 11	16,867	0 6 6
86 11 0	1,620 1 10	3,807 0 9	.....	327 15 5	3,479 1 4	.....	.....	3,807 0 9	5,492	0 11 1
999 10 3	.....	3,113 8 8	.....	.....	3,113 8 8	.....	.....	3,113 8 8	2,830	1 1 7
735 1 0	0 4 0	2,835 8 4	.....	.....	2,318 8 4	517 0 0	.....	2,835 8 4	10,167	0 4 6
959 8 6	.....	3,159 8 6	.....	.....	2,336 8 6	823 0 0	.....	3,159 8 6	11,428	0 4 5
812 15 6	76 9 0	3,706 6 2	.....	.....	3,031 2 6	675 3 8	.....	3,706 6 2	17,490	0 3 5
3,593 14 3	1,696 14 10	16,622 0 5	.....	327 15 5	10,799 12 0	5,494 5 0	.....	16,622 0 5	47,407	0 5 7
601 13 0	.....	2,554 10 3	.....	.....	2,329 7 7	225 2 8	.....	2,554 10 3	6,136	0 6 8
998 11 9	19 3 7	4,029 2 3	.....	.....	3,211 4 8	817 13 7	.....	4,029 2 3	16,320	0 3 11
1,137 15 0	.....	5,188 13 11	.....	.....	3,712 13 11	1,476 0 0	.....	5,188 13 11	39,772	0 2 1
363 1 0	.....	1,861 10 9	.....	.....	1,861 10 9	.....	.....	1,861 10 9	12,642	0 2 4
3,103 8 9	19 3 7	13,634 5 2	.....	.....	11,115 4 11	2,519 0 3	.....	13,634 5 2	74,870	0 2 11
1,064 12 0	206 13 4	4,539 12 8	.....	.....	3,337 3 10	1,202 8 10	.....	4,539 12 8	14,472	0 5 0
409 14 0	.....	1,847 10 0	.....	.....	1,367 14 0	479 12 0	.....	1,847 10 0	13,754	0 2 2
292 7 0	.....	1,196 8 8	.....	.....	956 8 8	240 0 0	.....	1,196 8 8	4,388	0 4 4
633 6 0	.....	2,806 15 3	.....	.....	2,462 1 5	344 13 10	.....	2,806 15 3	3,129	0 14 4
1,044 2 6	1 0 0	3,103 2 6	.....	.....	2,603 2 6	500 0 0	.....	3,103 2 6	8,733	0 5 8
88 8 0	0 8 3	389 0 3	.....	.....	389 0 3	.....	.....	389 0 3	583	0 10 8
3,533 1 6	208 5 7	13,883 1 4	.....	.....	11,115 14 8	2,767 2 8	.....	13,883 1 4	45,059	0 4 11
306 15 0	175 1 4	3,387 14 7	.....	.....	1,367 10 4	.....	.....	3,387 14 7	10,432	0 5 9
107 10 0	35 13 6	846 0 5	.....	.....	572 2 5	273 14 0	.....	846 0 5	2,306	0 5 10
210 2 3	.....	577 0 8	.....	.....	577 0 8	.....	.....	577 0 8	2,315	0 4 0
279 13 6	.....	1,309 13 6	.....	.....	803 10 9	.....	.....	1,309 13 6	2,451	0 8 7
115 4 6	.....	475 4 6	.....	.....	475 4 6	.....	.....	475 4 6	772	0 9 10
1,019 13 3	210 14 10	6,596 1 8	3,795 12 8	2,294 2 3	506 2 9	6,596 1 8	18,276	0 5 9
392 1 2	3 6 0	2,005 12 11	1,801 12 11	204 0 0	2,005 12 11	11,799	0 2 9
501 2 0	4 0 0	1,390 2 0	1,290 2 0	100 0 0	1,390 2 0	8,027	0 2 9
234 0 0	4 3 0	1,618 10 3	1,348 10 3	270 0 0	1,618 10 3	9,387	0 2 9
419 3 4	.....	1,604 2 4	.....	.....	1,604 2 4	.....	.....	1,604 2 4	10,410	0 2 6
1,546 6 6	11 9 0	6,618 11 6	6,044 11 6	574 0 0	6,618 11 6	39,623	0 2 8
595 3 0	2 15 10	2,666 12 8	.....	.....	2,077 2 10	589 9 10	.....	2,666 12 8	15,461	0 2 9
379 2 0	154 8 9	1,514 9 5	.....	.....	1,211 1 5	303 8 0	.....	1,514 9 5	7,602	0 3 2
376 4 6	1 9 0	1,917 15 10	.....	.....	1,342 3 4	575 12 6	.....	1,917 15 10	5,496	0 5 7
413 8 0	1,761 8 0	1,464 8 0	300 0 0	1,764 8 0	10,154	0 2 9
1,764 1 6	159 1 7	7,863 13 11	4,017 12 9	2,652 15 4	1,193 1 10	7,863 13 11	38,713	0 3 3
30 0 0	6,242 2 8	8,475 15 1	.....	.....	8,475 15 1	.....	.....	8,475 15 1	...	.....
793 2 0	.....	1,939 4 8	.....	.....	1,939 4 8	.....	.....	1,939 4 8	9,130	0 3 5
557 2 0	2 1 3	2,326 3 3	.....	.....	1,726 3 3	600 0 0	.....	2,326 3 3	10,856	0 3 5
301 10 6	.....	1,067 1 11	.....	.....	1,067 1 11	.....	.....	1,067 1 11	4,332	0 3 11
495 5 0	8 8 0	1,809 7 10	.....	.....	1,593 7 10	216 0 0	.....	1,809 7 10	10,776	0 2 8
2,177 3 6	6,252 11 11	15,618 0 9	14,802 0 9	816 0 0	15,618 0 9	35,094	0 7 1
2,923 8 0	.....	4,613 0 0	1,742 6 0	.....	.....	.....	2,870 10 0	4,613 0 0	7,233	0 10 9
549 5 0	.....	1,603 0 4	1,603 0 4	.....	.....	.....	.....	1,603 0 4	6,083	0 4 3
3,472 13 0	.....	6,216 0 4	3,345 6 4	.....	.....	.....	2,870 10 0	6,216 0 4	13,316	0 7 6
91 8 0	.....	391 8 0	391 8 0	.....	.....	.....	.....	391 8 0	537	0 11 8
91 8 0	.....	391 8 0	391 8 0	.....	.....	.....	.....	391 8 0	537	0 11 8
21,670 10 2	8,695 2 7	94,331 2 0	3,736 14 4	29,853 8 4	41,207 14 7	16,156 0 0	3,376 12 9	94,331 2 0	3,29,762	0 4 7	

B.—DISPENSARY

STATEMENT No. III.—*Showing Dispensary Vaccination in the*

No.	District.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.	Total.
1	2	3	4	5	6	7
ARAKAN DIVISION.						
1	Akab	...	...	7	...	7
2	Hill Tracts, Northern Arakan	...	...	112	...	103
3	Kyaukpyu	...	...	253	...	228
4	Sandoway	...	...	372	...	338
	Total	...	...	3,165	...	1,246
PEGU DIVISION.						
5	Hanthawaddy	...	...	2,165	...	267
6	Rangoon	...	...	655	...	652
7	Pegu	...	...	268	...	251
8	Tharrawaddy	...	...	76	...	76
9	Prome	...	...	3,924	...	1,838
	Total	...	...	1,387	...	1,161
IRRAWADDY DIVISION.						
10	Thóngwa	...	...	1,111	...	121
11	Bassein	...	...	123	...	112
12	Henzada	...	...	1,340	...	962
13	Myaungmya	...	...	1,350	...	643
	Total	...	...	3,924	...	1,838
TENASSERIM DIVISION.						
14	Amherst	...	...	732	...	675
15	Tavoy	...	...	293	...	289
16	Meegui	...	...	313	...	148
17	Toungoo	...	...	49	...	49
18	Thatón	...	...	1,387	...	1,161
19	Salween	...	...	1,061	...	775
	Total	...	...	1,219	...	1,186
MANDALAY DIVISION.						
20	Mandalay	...	...	160	...	147
21	Bhamo	...	...	63	...	63
22	Katha	...	...	294	...	22
23	Ruby Mines	...	...	246	...	246
24	Myitkyina	...	...	298	...	297
	Total	...	...	601	...	518
SAGAING DIVISION.						
25	Shwebo	...	...	231	...	218
26	Sagaing	...	...	487	...	485
27	Lower Chindwin	...	...	58	...	56
28	Upper Chindwin	...	...	443	...	427
	Total	...	...	1,219	...	1,186
MINBU DIVISION.						
29	Thayetmyo	...	...	397	...	877
30	Pakókku	...	...	84	...	75
31	Minbu	...	...	120	...	66
32	Magwé	...	...	601	...	518
	Total	...	...	927	...	654
MEIKTILA DIVISION.						
33	Meiktila	...	...	748	...	480
34	Yaméthin	...	...	64	...	64
35	Kyauské	...	...	51	...	51
36	Myingyan	...	...	64	...	59
	Total	...	...	1,387	...	1,161
SHAN STATES.						
37	Northern Shan States	...	...	569	...	538
38	Southern Shan States	...	...	101	...	101
	Total	...	...	670	...	639
CHIN HILLS.						
39	Chin Hills	...	...	604	...	569
	Total	...	...	604	...	569
	GRAND TOTAL	...	...	13,930	...	8,924

VACCINATION.

Province of Burma for the year 1903-04 (para. 8).

PRIMARY VACCINATION.				RE-VACCINATION.				PERCENTAGE OF SUCCESSFUL CASES IN WHICH THE RESULTS WERE KNOWN.		PERCENTAGE OF UNKNOWN CASES TO TOTAL CASES.	
Successful.			Unknown.	Total.	Success- ful.	Unknown.	Primary.	Re- vaccination.	Primary.	Re- vaccination.	
Under one year.	One and under six years.	Total of all ages.	Unknown.	Total.	Success- ful.	Unknown.	Primary.	Re- vaccination.	Primary.	Re- vaccination.	
8	9	10	11	12	13	14	15	16	17	18	
...	2	3	5	...	...	...	71·43	...	...	...
13	58	79	7	...	9	6	82·29	66·67	6·80	...	
3	24	223	...	25	2	...	97·81	8·00	...	...
18	85	307	7	34	8	...	92·75	23·58	2·07	...	
14	129	213	...	1,899	1,006	...	79·78	52·98	...	...
...	73	214	368	279	3	2	98·66	66·67	42·79	...	
89	115	216	...	17	15	...	86·86	88·24	...	...
40	35	75	...	...	...	...	98·68	...	...	...
216	493	872	279	1,919	1,023	...	90·17	53·31	22·39	...	
18	46	102	...	990	582	...	84·30	58·79	...	...
23	48	90	11	11	5	3	89·11	62·50	9·82	27·27	
135	275	876	...	378	187	...	91·06	49·47	...	...
23	109	593	2	707	236	...	93·29	33·38	31	...	
199	478	1,666	13	2,086	1,010	3	91·29	48·49	71	14	
...	52	429	598	...	57	29	88·59	50·87	...	...
14	62	159	35	4	4	...	62·60	...	12·11	...	
25	53	105	42	165	41	...	99·06	24·85	28·88	...	
...	...	11	35	...	...	...	71·43	...	...	...
91	555	897	77	226	70	...	82·75	30·97	6·63	...	
89	66	110	...	18	11	...	74·83	84·62	...	...
28	23	61	...	...	...	23	96·83	...	...	...
...	38	21	...	272	61	...	95·45	24·50	...	8·46	
105	65	129	99	...	1	1	87·76	...	40·24	...	
210	246	559	103	286	73	23	83·18	27·75	13·29	8·04	
28	84	125	...	13	4	...	57·34	30·77	...	...
176	202	378	8	2	2	...	79·25	100·00	1·65	...	
1	11	13	2	2	1	...	24·07	50·00	3·57	...	
42	209	269	28	16	11	...	67·42	68·75	6·56	...	
247	506	785	38	38	18	...	68·38	54·55	3·20	...	
96	188	337	2	20	17	...	89·87	85·00	·53	...	
...	3	4	8	...	9	...	10·67	...	...	...
3	9	59	...	54	29	...	89·39	53·70	...	...
102	201	404	2	83	46	...	77·29	55·42	·39	...	
156	227	427	32	268	129	92	95·31	73·30	6·67	34·33	
34	21	58	...	...	...	...	90·63	...	...	...
12	24	36	...	...	...	...	70·59	...	...	...
28	15	43	...	5	2	...	72·88	40·00	...	...
200	290	564	32	273	131	92	90·68	72·38	4·89	33·70	
82	210	373	11	31	18	...	70·78	58·06	2·04	...	
27	35	62	...	...	...	...	61·39	...	...	...
59	245	435	11	31	18	...	69·27	58·06	1·72	...	
12	129	426	63	35	29	2	84·19	87·88	11·07	5·71	
12	129	426	63	35	29	2	84·19	87·88	11·07	5·71	
1,384	3,228	6,915	625	5,006	2,426	120	83·32	49·65	7·00	2·40	

COMPARATIVE STATEMENT No. IV.—*Showing the number of persons primarily vaccinated in Burma in each of the under*

Establishment.	PERSONS PRIMARILY										
	Total number.	Number success-fully vac-cinated.	Total number.	Number success-fully vac-cinated.	Total number.	Number success-fully vac-cinated.	Total number.	Number success-fully vac-cinated.	Total number.	Number success-fully vac-cinated.	
	1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		
1	2		3		4		5		6		
Government	...	85,936	77,976	92,369	85,137	118,666	110,486	95,153	88,851	116,621	106,892
Municipal	...	64,647	57,908	81,340	74,204	83,282	78,036	82,934	78,827	81,987	78,636
Local Funds	...	113,991	102,437	155,537	142,638	188,718	172,580	222,231	210,880	238,334	228,367
Native States	2,108	1,941
Dispensary	...	6,690	6,127	6,056	5,546	5,466	4,964	5,151	4,891	8,209	7,278
Army
Europeans	...	97	53	68	45	31	26	80	50	53	42
Natives	533	354	604	329	655	390	379	249	546	363
Total	...	271,894	244,855	335,974	307,899	396,818	366,482	405,923	383,748	447,858	423,519

STATEMENT No. V.—*Showing particulars of*

Number.	District.	TOTAL NUMBER OF PERSONS VACCINATED.				TOTAL NUMBER INSPECTED.			
		By Deputy Sanitary Commissioner or Civil Surgeons.		By Native Superintendents or other Inspecting Officers.					
		Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.
1	2	3	4	5	6	7	8		
1	Akyab	...	8,772	265	1,063	245	3,819	191	
2	Hill Tracts, Northern Arakan	...	1,288	.....	...	.....	9	.....
3	Kyaukpyu	...	8,056	288	304	28	56	9	
4	Sandoway	...	2,380	25	604	.....	228	25	
5	Rangoon	...	4,879	8,470	1,314	2,771	...	.....
6	Hanthawaddy	...	4,725	2,293	1,394	898	3,166	1,323	
7	Pegu	...	12,019	159	2,781	5	840	37	
8	Tharrawaddy	...	14,705	104	1,214	.....	8,021	17	
9	Prome	...	18,769	606	1,645	9	1,480	488	
10	Thongwa	...	6,745	1,095	336	984	739	8	
11	Bassein	...	17,368	860	4,378	731	8,887	812	
12	Henzada	...	43,240	722	3,611	371	2,524	275	
13	Myauungmya	...	13,730	1,590	3,910	802	452	.....
14	Amherst	...	15,533	636	1,416	31	7,281	570	
15	Tavoy	...	13,861	3,155	4,351	447	776	1,905	
16	Mergui	...	5,655	44	3,561	.....	370	4	
17	Thaton	...	4,833	.....	1,334	.....	2,683	.....
18	Toungoo	...	8,937	710	533	559	3,815	303	
19	Salween	...	1,069	.....	34	.....	56	.....
20	Mandalay	...	12,450	1,400	5,234	557	4,191	102	
21	Bhamo	...	2,745	321	199	134	133	64	
22	Katha	...	2,714	279	774	266	24	272	
23	Ruby Mines	...	2,843	126	1,397	105	99	7	
24	Myitkyina	...	1,262	31	567	1	126	.....
25	Shwebo	...	15,559	40	3,600	27	7,599	13	
26	Sagaing	...	10,444	67	2,205	2	373	2	
27	Lower Chindwin	...	12,773	123	4,509	114	102	9	
28	Upper Chindwin	...	12,230	16	745	.....	399	16	
29	Thayetmyo	...	16,210	1,797	1,063	684	1,692	88	
30	Pakoku	...	8,402	406	3,843	361	.....	.....
31	Minbu	...	8,564	410	1,170	181	417	55	
32	Magwe	...	10,917	99	2,145	54	317	.....
33	Meiktila	...	11,116	276	5,782	159	286	24	
34	Yamethin	...	11,418	818	2,530	410	1,408	.....
35	Kyaukse	...	5,925	48	1,961	3	255	.....
36	Myingyan	...	14,406	497	3,063	311	652	60	
37	Lashio	...	9,256	31	2,041	6	3,521	25	
38	Taunggyi	...	7,463	.....	110	.....	298	.....
39	Chin Hills	...	1,461	35	12	1	532	32	
GRAND TOTAL FOR THE PROVINCE		...	384,722	27,842	76,738	11,257	67,126	6,736	

and the number of those persons who were successfully vaccinated in the Province of mentioned official years (para. 11).

VACCINATED.

Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.
1899-1900.		1900-01.		1901-02.		1902-03.		1903-04.	
7	8	9	10	11					
122,193	112,433	1 6,629	95,392	94,530	83,082	120,384	101,166	135,394	109,018
72,287	69,705	62,338	58,008	52,227	46,695	55,352	47,049	53,775	44,870
260,518	248,803	215,111	198,789	181,107	166,283	165,218	149,585	179,917	160,516
1,734	1,631	1,574	1,420	1,822	1,553	7,053	5,451	6,712	5,624
6,933	5,421	6,653	4,229	3,971	3,033	6,622	5,038	8,924	6,915
...
28	19		10	20	9	25	11	...	...
782	344	391	207	114	67	359	288	380	222
463,605	438,406	392,719	358,055	333,791	300,722	355,013	308,583	385,102	327,172

Vaccination verified by Inspecting Officers (para. 12).

PERCENTAGE OF INSPECTIONS TO TOTAL NUMBER VACCINATED.				PERCENTAGE OF CASES FOUND SUCCESSFUL OF TOTAL NUMBER INSPECTED.				PERCENTAGE OF SUCCESS REPORTED BY VACCINATORS.			
By Deputy Sanitary Commissioner or Civil Surgeons.		By Native Superintendent or other Inspecting Officers.		By Deputy Sanitary Commissioner or Civil Surgeons.		By Native Superintendent or other Inspecting Officers.		By Deputy Sanitary Commissioner or Civil Surgeons.		By Native Superintendent or other Inspecting Officers.	
Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.
9	10	11	12	13	14	15	16	17	18		
12.12	92.45	37.84	72.08	73.10	45.31	78.97	52.88	74.99	48.04		
3.77	...	9.72	.70	...	...	55.56	...	95.86	...		
25.38	...	9.58	100.00	98.01	...	69.64	66.67	87.55	90.32		
26.93	32.72	...	...	70.77	69.44	...	...	94.60	70.96		
29.50	39.16	67.01	57.70	66.79	48.89	71.19	52.53	64.31	31.35		
28.14	3.14	6.99	23.27	93.60	4.00	89.17	72.97	91.36	98.63		
8.26	54.55	16.35	87.48	...	...	79.93	88.24	80.57	58.70		
8.76	1.49	7.89	80.53	87.36	100.00	86.89	43.00	98.75	37.29		
4.98	89.86	10.96	.73	87.50	58.84	82.81	50.09	92.66	70.43		
25.21	85.00	51.17	94.42	85.50	21.48	94.04	20.81	95.29	19.73		
8.35	51.39	5.84	38.9	88.65	49.87	90.69	68.73	91.77	60.47		
28.43	50.44	3.29	...	93.28	35.04	92.70	...	95.32	52.48		
9.12	4.87	46.87	89.62	91.17	25.81	90.89	35.61	92.05	35.38		
31.39	14.17	5.60	6.38	91.14	52.57	92.53	38.22	95.78	36.28		
62.97	...	6.54	9.9	88.07	...	88.38	...	88.82	12.50		
27.60	55.51	...	66.42	...	...	68.02	...	64.74			
5.96	78.73	42.69	42.68	91.81	38.06	91.32	53.20	96.28	51.19		
8.18	...	5.21	...	73.53	...	69.64	...	51.16			
42.04	39.79	33.66	7.29	80.74	46.14	78.91	56.86	83.96	49.93		
7.25	41.74	4.85	19.94	85.93	44.03	90.23	92.75	85.40	56.43		
28.52	95.34	.88	97.49	87.60	21.43	95.83	22.06	87.98	20.00		
49.14	83.33	3.48	5.56	93.34	5.52	98.99	42.86	92.07	47.62		
44.93	3.23	9.98	...	66.84	1.00	84.92	...	77.41	83.33		
23.14	67.50	48.84	32.50	89.18	44.44	91.25	30.77	79.05	44.44		
21.11	2.99	3.57	2.99	81.36	50.00	75.07	100.00	80.86	29.23		
35.30	92.68	80	7.32	78.31	52.63	39.22	22.22	73.95	50.41		
6.09	...	3.26	100.00	71.95	...	67.42	68.75	88.41	...		
6.56	38.06	10.44	4.90	92.12	98.25	93.50	93.18	95.79	78.84		
45.80	88.92	...	...	88.64	25.48	...	...	91.97	31.37		
13.66	44.15	4.87	13.41	62.82	61.33	53.72	79.91	64.27	57.44		
19.65	54.55	2.90	...	88.72	53.70	98.42	...	93.39	44.44		
52.02	57.61	2.57	8.70	85.52	73.58	97.20	62.50	86.47	42.86		
22.16	50.12	12.33	..	89.13	38.53	98.99	...	93.72	74.09		
33.10	6.25	4.30	...	70.32	100.00	83.14	...	76.83	44.63		
21.26	62.58	4.53	12.07	99.86	64.63	91.26	80.00	73.07	67.63		
22.05	19.35	38.04	80.65	53.11	...	58.68	72.00	84.42	83.51		
1.47	...	3.99	...	90.00	...	74.83	...	83.51	...		
.82	2.86	36.41	91.43	58.33	100.00	82.14	87.50	63.10	...		
19.95	40.43	17.45	24.19	85.55	57.87	84.50	43.60	87.20	54.97		

APPENDIX A.

Showing the ratio per 10,000 successfully vaccinated and the mortality from small-pox by quinquennial periods for Lower Burma only (para. 7).

Official year.	Ratio per 10,000 successfully vaccinated.	Quinquennial mean.	Calendar year.			Ratio per 10,000 of mortality from small-pox.	Quinquennial mean.
			1	2	3	4	5
1888-89	197.90		1888	...	...	...	1.60
1889-90	266.70		1889	...	...	...	7.70
1890-91	243.60	236.06	1890	...	...	...	10.10
1891-92	214.20		1891	...	...	...	2.90
1892-93	257.90		1892	...	...	...	3.20
1893-94	303.50		1893	...	...	...	6.80
1894-95	353.80		1894	...	...	...	3.80
1895-96	448.90	449.48	1895	...	...	...	3.40
1896-97	554.40		1896	...	...	...	3.70
1897-98	586.70		1897	...	...	...	4.30
1898-99	652.50		1898	...	...	...	10.70
1899-1900	678.10		1899	...	...	...	13.20
1900-01	511.40	494.58	1900	...	...	...	6.80
1901-02	331.40		1901	...	...	...	4.57
1902-03	299.49		1902	...	...	...	2.77
1903-04	314.73	.....	1903	...	...	...	2.30

APPENDIX B.

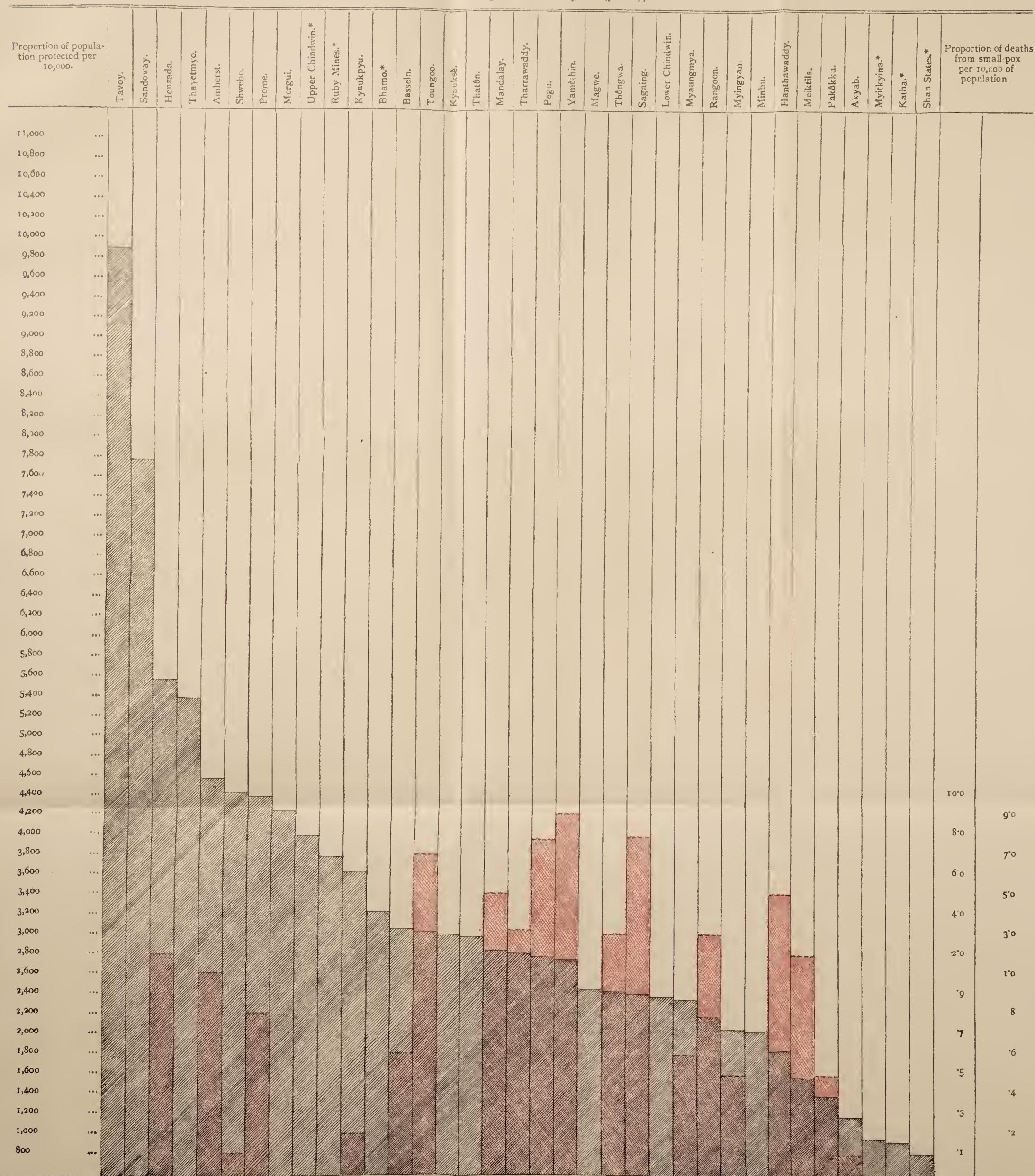
Statistics relating to the number of children under one year of age in towns available for vaccination and the number of successful operations performed on them (para. 6).

Towns.	Number of births during the year 1903-04.	Number of deaths among children under one year of age.	Number living after deducting deaths in column 3.	Number of successful vaccinations on children under one year of age.	Date of extension of Vaccination Act into town.	
					1	2
Akyab	603	190	413	459	August 1883.	
Kyaupkyu	72	14	58	147	April 1894.	
Sandoway	99	20	79	53	September 1890.	
Rangoon	4,591	1,550	3,041	1,990	April 1884.	
Pegu	423	113	310	311	March 1893.	
Prome	1,027	203	818	808	June 1890.	
Paungdè	418	93	325	267	August 1890.	
Gyobingauk	258	69	189	104	February 1897.	
Letpadan	247	74	173	77	January 1897.	
Thônzè	263	86	177	127	October 1897.	
Ma-ubin	163	51	117	25	October 1891.	
Yandoon	465	80	385	193	January 1892.	
Bassein	972	208	764	762	September 1888.	
Ngathainggyaung	247	46	201	163	February 1890.	
Myaungmyé	147	31	116	187	June 1894.	
Henza'a	988	305	683	561	January 1889.	
Zalun	257	67	190	185	August 1894.	
Myanaung	231	45	186	174	July 1888	
Moulme'in	1,324	225	1,099	1,017	August 1885.	
Thatôn	423	102	321	171	October 1891.	
Kyaikto	209	34	175	58	March 1897.	
Tavz	778	116	662	662	December 1889.	
Mergui	421	26	395	238	October 1891.	
Toungoo	558	137	421	433	May 1889.	
Shwegen	228	38	190	177	January 1890.	
Mandalay	6,275	1,995	4,280	4,074	August 1891.	
Sagaing	367	80	287	204	April 1894.	
Mônywa	306	93	208	162	March 1893.	
Thayetmyo	450	169	281	Not available.	May 1889.	
Yuméthin	280	56	224	26	February 1892.	
Pyinmana	502	107	395	433	November 1891.	
Myingyan	706	187	519	619	September 1891.	
Pagan	...	34	...	204	November 1891.	
Shwebo	352	158	194	228	June 1894.	
Pakkôkku	889	275	614	612	April 1892.	
Kyaukse	299	94	205	215	May 1894.	
Minbu	174	47	127	102	March 1896.	
Salin	270	51	219	120	March 1896.	
Taungdwingyi	304	82	222	173	February 1893.	
Total	26,591	7,362	19,263	16,501		

APPENDICES.

APPENDIX C.

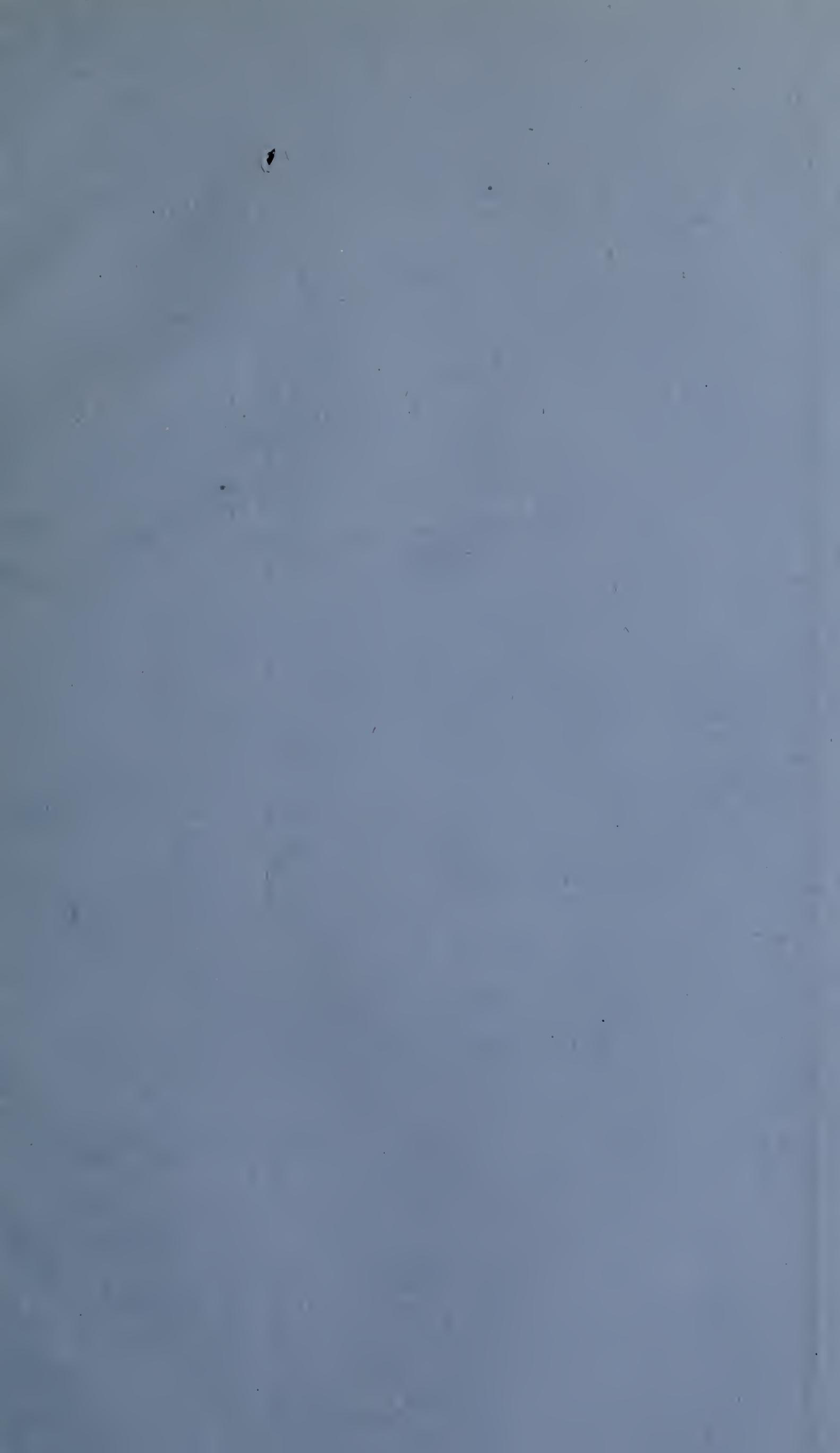
Diagram showing the proportion of population protected during the seven official years from 1897-98 to 1903-04 and death-rate from small-pox during the calendar year 1903 in districts where registration is in force (para. 7).



Indicates rates of deaths from small-pox per 10,000 of population.

Indicates proportion of population protected per 10,000.

* Registration of vital statistics is not carried out in these districts.



NOTES AND STATISTICS

ON

VACCINATION IN BURMA

FOR THE YEAR 1903-04.



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